



1632

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

| | |
|------------------------|-----------------|
| Application Number | 09/806,110 |
| Filing Date | 08/31/2001 |
| First Named Inventor | Karaplis et al. |
| Group Art Unit | 1632 |
| Examiner Name | Unknown |
| Attorney Docket Number | 109647.121 |

Total Number of Pages in This Submission

ENCLOSURES (check all that apply)

- ☐ Fee Transmittal Form
- ☐ Fee Attached
- ☐ Amendment / Reply
- ☐ After Final
- ☐ Affidavits/declaration(s)
- ☐ Extension of Time Request
- ☐ Express Abandonment Request
- ☒ Information Disclosure Statement
- ☐ Certified Copy of Priority Document(s)
- ☐ Response to Missing Parts/ Incomplete Application
- ☐ Response to Missing Parts under 37 CFR 1.52 or 1.53

- ☐ Assignment Papers (for an Application)
- ☐ Drawing(s)
- ☐ Licensing-related Papers
- ☐ Petition
- ☐ Petition to Convert to a Provisional Application
- ☐ Power of Attorney, Revocation Change of Correspondence Address
- ☐ Terminal Disclaimer
- ☐ Request for Refund
- ☐ CD, Number of CD(s) _____

- ☐ After Allowance Communication to Group
- ☐ Appeal Communication to Board of Appeals and Interferences
- ☐ Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
- ☐ Proprietary Information
- ☐ Status Letter
- ☒ Other Enclosure(s) (please identify below):
 - Postcard

Remarks

1. Form PTO-1449
2. 9 Publications

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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

| | |
|-------------------------|---|
| Firm or Individual name | Ann-Louise Kerner, Ph.D., Reg. No. 33,523 |
| Signature | <i>Ann-Louise Kerner</i> |
| Date | 02/28/2003 |

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: **02/28/2003**

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| Typed or printed name | Ti na M. Dougal |
| Signature | <i>Tina M. Dougal</i> |
| Date | 02/28/2003 |

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PATENT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Andrew C. Karaplis, et al.
Serial No.: 09/806,110
Filed: August 31, 2001
For: USE OF PEX IN THE TREATMENT OF METABOLIC BONE DISEASES

Examiner: Unknown

Group Art Unit: 1632

Attorney Docket No.: 109647.121/SWA-011US

CERTIFICATE UNDER 37 C.F.R. 1.8(a)

I hereby certify that this correspondence is being filed as first class mail in an envelope addressed to the Commissioner for Patents, Washington, D.C. 20231 on February 28, 2003.

Tina M. Dougal
Tina M. Dougal

Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97-98, Applicants bring to the attention of the Examiner the following publications listed on the attached Form PTO-1449.

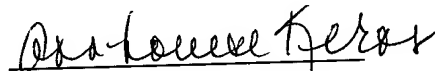
This submission does not constitute a representation by Applicants that a search has been made or that no better art exists and does not constitute an admission that any of the listed publications are material or constitute "prior art." Applicants reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed publications, should one or more of the publications be applied against the claims of the present application.

Copies of the publications listed on the attached Form PTO-1449 are submitted herewith. It is respectfully requested that the Examiner initial and return a copy of the enclosed Form PTO-1449 with the next Patent Office communication.

As this Information Disclosure Statement is being filed prior to the mailing of the first Office Action on the merits and is therefore submitted as both timely and proper; thus, no fees are believed to be due. However, in the event of a fee deficiency, the Commissioner is authorized to charge any underpayment or credit any overpayment to Deposit Account No. 08-0219.

Respectfully submitted,

Dated: February 28, 2003



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Subt. For, PTO-1449

INFORMATION DISCLOSURE IN AN APPLICATION

(Use several sheets if necessary)

Docket Number
109647.121/SWA-11

Application Number
09/806,110

Applicant
Karaplis et al.

Filing Date
August 31, 2001

Group Art Unit
1632

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|-------|---|----|---|
| Sheet | 1 | OF | 1 |
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U.S. Patent Documents

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Foreign Patent Documents

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|---------------------|--------------------|----------|---------|-------|----------|-------------|----|
| | | | | | | YES | NO |
| | WO 98/10078 | 03/12/98 | WO | | | | |
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Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)

| | |
|----|--|
| A1 | Du, L., et al. (1996) <i>Genomics</i> 36 , 22-28 |
| A2 | The HYP Consortium (1995) <i>Nature Genetics</i> 11 , 13-136 |
| A3 | Beck, L. et al. (1997) <i>J. Clin. Invest.</i> 99 , 1200-1209 |
| A4 | Grieff, M. et al. (1997) <i>Biochem. Biophys. Res. Commun.</i> 231 , 635-639 |
| A5 | Guo, R. and Quarles, L.D. (1997) <i>J. Bone Miner. Res.</i> 12 , 1009-1017 |
| A6 | Lipman, M. et al., "Cloning of Human PEX cDNA: Expression, subcellular localization, and endopeptidase activity", <i>Journal of Biological Chemistry</i> , May 29, 1998, Vol. 273 , No. 22 , pp. 13729-13737 |
| A7 | Schneider, H.G. et al. "Parathyroid Hormone-Related Protein mRNA and Protein Expression in Multiple Myeloma: A Case Report", <i>Journal of Bone and Mineral Research</i> , Oct. 1998, Vol. 12 , No. 10 , pp. 1640-1643 |
| A8 | Guise, T. A. et al. "Evidence for a Causal Role of Parathyroid Hormone-related Protein in the Pathogenesis of Human Breast Cancer-mediated Osteolysis", <i>The American Society for Clinical Investigation, Inc.</i> , October 1996, Vol. 98 , No. 7 , pp. 1544-1549 |
| A9 | |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP § 609: Draw Line through citation if not conformance and not considered. Include copy with next communication to applicant.